

Patent Abstracts of Japan

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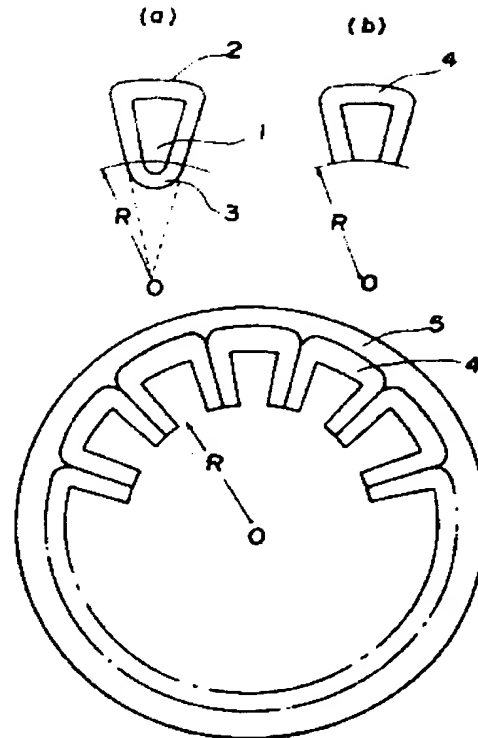
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APPLICANT : MITSUI PETROCHEM IND LTD;

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TITLE : MULTIPOLAR CORE MADE OF AMORPHOUS ALLOY AND MANUFACTURE THEREOF



ABSTRACT : PURPOSE: To obtain the titled multipolar core, the degree of freedom on a design thereof is improved, winding thereof is facilitated and cost thereof is reduced, by arranging both-leg cores with approximately square U-shaped section sections on the inside of a casing with a closed curve-shaped section so that leg sections with U-shaped sections are directed toward the inside.

CONSTITUTION: When a tooth section core 4 forming a slot section is manufactured, a tape-shaped amorphous metallic material 2 having predetermined width is wound and fixed onto a spool 1 with a fan-shaped section in prescribed size first. The whole is cut by using a technique, through which a cut core is manufactured, from a position in a radius R from a virtual center O, and finished so that a cut surface has a curvature R through a technique such as grinding, thus manufacturing the tooth section core 4. The tooth section cores 4 are disposed to the shape of a cylinder centering O, and pressed into the inside of a toroidal core 5, thus completing an armature core.

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